PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number,

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

· Co	Complete if Known					
Application Number	10/535,045					
Filing Date	May 13, 2005					
First Named Inventor	Shin Utsunomiya					
Art Unit						
Examiner Name						
Attornou Dookst Number	Taur E	/				

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f Arrown)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, When Resevant Passages or Relevan Figures Appear
		US-			
		US-			
	_	US-			
		US-	<del>\</del>		
		US-		1	
		US-			
		US-	<b> </b>		
		US-			
	$\dashv$	US-	<del>                                     </del>		
		US-	<b>/</b>	<del></del>	

		FORE	IGN PATENT DOCL	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	<u> </u>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (if known)	MM-DD-YYYY	· · · · · · · · · · · · · · · · · · ·	Or Relevant Figures Appear	Τ°
		JP 11-327139	11-26-1999	Nippon Kayaku C	-	
		JP 2002-214354	07-31-2002	Nippon Kayaku C		T
		JP 10-003167		Ueno Kagaku Kog		
		JP 05-320612		Hisamitsa Pharm		
L		JP 02-240655	03-06-1996			
		JP 02-388805		Shin Etsu Chem		一

Examiner Signature Date Considered

\*EXAMINER: Initial if eference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (VIPO Sendard ST.3). <sup>4</sup> For Japanese patery documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. latent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND OC. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form	1449/PTO	Col	mplete if Known	
		Application Number	10/535,045	<del>.</del>
INFORM	ATION DISCLOSURE	Filing Date	May 13, 2005	
		First Named Inventor	Shin Utsunomiya	
	ENT BY APPLICANT	Art Unit		
(Use a	as many sheets as necessary)	Examiner Name		
eet 2	of 2	Attorney Docket Number	Toyo-5	

Examiner Initials*	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
	110.	Number-Kind Code <sup>2 (f known)</sup>	MM-DD-YYYY	Applicant of Cited Document .	Relevant Passages or Relevan Figures Appear
		US-			
		US-			<del>-  </del>
-		US-			
		US-		······································	
		US-			
		US-			<u> </u>
		US-			
		US-			
		US-			<del></del>
		US-			
		US-	1		
		US-			ļ

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Ī	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Topicalité d'Olice Décamont	Or Relevant Figures Appear	1	
/S.S./		JP 49-098878	09-18-1974	Hana Jandourek		F	
		JP 04-337087	11-25-1992	Toagosei Chev I		F	
V	·	JP 2001-058972		Nippon Kaqsei C		T	
/S.S./		JP 63-075552	05-04-1988	Takeda Medical			
						Г	

E			
Examiner		Date	
Signature	/Satya Sastri/	Considered	07/26/2007
لسنا	/Odiya Odstill	Considered	0112012001

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (08-03) for use through 07/31/2006. OMB 0651-0031 Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trade Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 1

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

JP 10-003167

JP 05-320612

JP 02-240555

7S.S.7

Col	mplete if Known	
Application Number	10/535,045	
Filing Date	May 13, 2005	
First Named Inventor	Shin Utsunomiya	
Art Unit	-	
Examiner Name		
Attorney Docket Number	Toyo-5	

Examiner	Cite No.1	Document Number	Publication		Name of Patentee or		Pages, Columns, Lines, Who	
Initials*	NO.	Number-Kind Code <sup>2 (f known)</sup>	MM-DD-YY	AA   VE	oplicant of Cited Document		Relevant Passages or Relevant Figures Appear	ant
	<b>.</b>	US-	1				, , , , , , , , , , , , , , , , , , , ,	
		US						
		US-	1					
		US-	<b></b>					_
		US-						
		US-						
		US			_			
		US-	$\perp$ $\wedge$	lote: ( ut og 2 submitt	my 1 -			
		US-	<del>                                     </del>	•	<i>-</i>			
	i	US-	T 0	ut 012	Ь -			_
		US-	<del>                                     </del>	0, 0			<u> </u>	_
	·····	US-	— e	hmiH	ted '	-		-
		US-	— J	0271777				
		US-			•			
		US-						
		US-					-	
		US-						
		US-						
		US-						
			FORE			-	•	_
Examiner nitials*	Cite No.1	Foreign Patent Document				r nent	Pages, Columns, Lines, Where Relevant Passages	T
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if k					Or Relevant Figures Appear	
/\$.S./		JP 11-327139		11-26-1999	Nippon Kayaku C			
1		JP 2002-214354		07-31-2002	Nippon Kayaku C			I

/S.S./	JP 02-308805	12-21-1990 Shin Etsu Ct	hem		
Examiner Signature	/Satya Sastri/		Date Considered	07/26/2007	

01-16-1998 | Ueno Kagaku Kog

12-03-1993 Hisamitsa Pharm

09-25-1990 Nok Corp

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08a (07-05)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to reapond to a collection of Information unless it contains a valid OMB control number.

S	ubstitute for form 1449A/PT	ю.		C	omplete if Known	
	NEODMATION D	1001.001		Application Number	10/535,045	
	NFORMATION D			Filing Date	13 May 2005	
5	STATEMENT BY	APPLICA	NT	First Named Inventor	Utsunomiya	-
				Art Unit	1713	
	(Use as many sheets	as necessary)		Examiner Name	Satya B. Şastri	
Sheet	1	of	2	Attorney Docket Number	Toyo-5	

			U.S. PATENT	DOCUMENTS	
Examiner Initials'	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>®</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/S.S./		US- 5,723,261	03-03-1998	Yanagawa, et al.	Ligures Appear
		US-			
		บร.			
		US-			
		US-			
		U8-			
		US-		<del> </del>	
		US-	<del></del>	.a.	
		US-	<del></del>		
		US-		<del>                                     </del>	
		US-			
		US-	·		
		US-			
		UŞ-	<del></del>		
		US-		<del> </del>	
		US-			
	-	US-			
		US-	<del></del>	+	

		FOREIG	N PATENT DO	CUMENTS		_
Examiner Initials	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
/S.S./		JP 58 079006 A	05-12-1983	Toa Gosei Chem Ind.	garoo reposit	$\vdash$
/S.S./		WO 98/00759 A	01-08-1998	Ciba Specialty		-
/S.S./		JP 2002 182391 A (Patent Abstracts of Japan	06-26-2002	Mitsubishi Chem Corp.		-

Examiner	ICabia Castril	Date		
Signature	/Satya Sastri/		07/26/2007	
		Considered	***************************************	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto gov or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete. including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known				
		Application Number	10/535,045			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use as many sheets as necessary)			URF	Filing Date	13 May 2005	
				First Named Inventor	Utsunomiya	
			A14 1	Art Unit	1713	
				Examiner Name	Satya B. Sastri	
Sheet	2	of	2	Attorney Docket Number	Toyo-5	

		NON PATENT LITERATURE DOCUMENTS	_				
Examiner Initials*	Cite No.1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (boo magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and country where published.						
/S.S./		Supplementary European Search Report for European Application No.: EP03772744 (foreign counterpart application) dated 16 January 2007	_				
•							
			-				
			_				
			_				
			_				
			_				
xaminer Signature		/Satya Sastri/ Date Considered 07/26/2007	_				

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is eatimated to take 2 hours to complete. including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.